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NEWS 2 Apr 08 "Ask CAS" for self-help around the clock  
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area  
NEWS 4 Apr 09 ZDB will be removed from STN  
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB  
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS  
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER  
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available  
NEWS 9 Jun 03 New e-mail delivery for search results now available  
NEWS 10 Jun 10 MEDLINE Reload  
NEWS 11 Jun 10 PCTFULL has been reloaded  
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment  
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;  
          saved answer sets no longer valid  
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY  
NEWS 15 Jul 30 NETFIRST to be removed from STN  
NEWS 16 Aug 08 CANCERLIT reload  
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN  
NEWS 18 Aug 08 NTIS has been reloaded and enhanced  
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
          now available on STN  
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded  
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded  
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced  
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced  
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file  
NEWS 25 Sep 16 CA Section Thesaurus available in CAPLUS and CA  
NEWS 26 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985  
NEWS 27 Oct 21 EVENTLINE has been reloaded  
NEWS 28 Oct 24 BEILSTEIN adds new search fields  
NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN  
NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002  
NEWS 31 Nov 18 DKILIT has been renamed APOLLIT  
NEWS 32 Nov 25 More calculated properties added to REGISTRY  
NEWS 33 Dec 02 TIBKAT will be removed from STN  
NEWS 34 Dec 04 CSA files on STN  
NEWS 35 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date  
NEWS 36 Dec 17 TOXCENTER enhanced with additional content  
NEWS 37 Dec 17 Adis Clinical Trials Insight now available on STN  
NEWS 38 Dec 30 ISMEC no longer available  
NEWS 39 Jan 13 Indexing added to some pre-1967 records in CA/CAPLUS  
NEWS 40 Jan 21 NUTRACEUT offering one free connect hour in February 2003  
NEWS 41 Jan 21 PHARMAML offering one free connect hour in February 2003  
NEWS 42 Jan 29 Simultaneous left and right truncation added to COMPENDEX,  
          ENERGY, INSPEC  
  
NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,  
                  CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
                  AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002  
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN

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=> s retinoic and p450  
L1 1291 RETINOIC AND P450

=> s duell, ?/au  
L2 1366 DUELL, ?/AU

=> s l1 and l2  
L3 21 L1 AND L2

=> dup rem 13  
PROCESSING COMPLETED FOR L3  
L4 11 DUP REM L3 (10 DUPLICATES REMOVED)

=> d 1-11

L4 ANSWER 1 OF 11 SCISEARCH COPYRIGHT 2003 ISI (R) DUPLICATE 1  
AN 1998:667763 SCISEARCH  
GA The Genuine Article (R) Number: 114CU  
TI Retinoic acid receptors regulate expression of retinoic acid 4-hydroxylase that specifically inactivates all-trans retinoic acid in human keratinocyte HaCaT cells  
AU Marikar Y; Wang Z Q; Duell E A; Petkovich M; Voorhees J J; Fisher G J (Reprint)  
CS UNIV MICHIGAN, DEPT DERMATOL, ROOM 6447, 1150 W MED CTR DR, ANN ARBOR, MI 48109 (Reprint); UNIV MICHIGAN, DEPT DERMATOL, ANN ARBOR, MI 48109; QUEENS UNIV, CANC RES LABS, KINGSTON, ON, CANADA  
CYA USA; CANADA  
SO JOURNAL OF INVESTIGATIVE DERMATOLOGY, (SEP 1998) Vol. 111, No. 3, pp. 434-439.  
Publisher: BLACKWELL SCIENCE INC, 350 MAIN ST, MALDEN, MA 02148.  
ISSN: 0022-202X.  
DT Article; Journal  
FS LIFE; CLIN  
LA English  
REC Reference Count: 46  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L4 ANSWER 2 OF 11 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.DUPLICATE 2  
AN 97283799 EMBASE  
DN 1997283799  
TI Unoccluded retinol penetrates human skin in vivo more effectively than unoccluded retinyl palmitate or retinoic acid.  
AU Duell E.A.; Kang S.; Voorhees J.J.  
CS Dr. E.A. Duell, Univ. of Michigan Medical Center, Department of Dermatology, M 6447 Medical Science I, Ann Arbor, MI 48109-0609, United States  
SO Journal of Investigative Dermatology, (1997) 109/3 (301-305).  
Refs: 16  
ISSN: 0022-202X CODEN: JIDAE  
CY United States  
DT Journal; Article  
FS 013 Dermatology and Venereology  
037 Drug Literature Index  
038 Adverse Reactions Titles  
039 Pharmacy  
LA English  
SL English

L4 ANSWER 3 OF 11 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
AN 1996:248167 BIOSIS  
DN PREV199698804296  
TI All-trans retinol, all-trans retinal and all-trans retinoic acid produce a dose dependent induction of retinoic acid 4-hydroxylase in human skin in vivo.  
AU Duell, Elizabeth A.; Kang, Sewon; Voorhees, John J.  
CS Dep. Dermatol., Univ. Mich. Med. Sch., Ann Arbor, MI USA  
SO Journal of Investigative Dermatology, (1996) Vol. 106, No. 4, pp. 828.  
Meeting Info.: Annual Meeting of the Society for Investigative Dermatology Washington, D.C., USA May 1-5, 1996  
ISSN: 0022-202X.  
DT Conference  
LA English

L4 ANSWER 4 OF 11 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
AN 1996:248040 BIOSIS  
DN PREV199698804169  
TI Regulation, properties, and solubilization of a unique cytochrome P-450 that specifically metabolizes all-trans retinoic acid to less

active 4-hydroxy **retinoic acid** in human keratinocyte HACAT cells.

AU Marikar, Y.; **Duell, E. A.**; Voorhees, J. J.; Fisher, G. J.  
CS Dep. Dermatol., Univ. Michigan, Ann Arbor, MI USA  
SO Journal of Investigative Dermatology, (1996) Vol. 106, No. 4, pp. 807.  
Meeting Info.: Annual Meeting of the Society for Investigative Dermatology  
Washington, D.C., USA May 1-5, 1996  
ISSN: 0022-202X.

DT Conference  
LA English

L4 ANSWER 5 OF 11 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.DUPLICATE 3  
AN 96235623 EMBASE  
DN 1996235623  
TI Liarozole inhibits human epidermal **retinoic acid** 4-hydroxylase activity and differentially augments human skin responses to **retinoic acid** and retinol *in vivo*.  
AU Kang S.; **Duell E.A.**; Kim K.J.; Voorhees J.J.  
CS Department of Dermatology, University of Michigan Medical Ctr, 1910 Taubman Center, Ann Arbor, MI 48109-0314, United States  
SO Journal of Investigative Dermatology, (1996) 107/2 (183-187).  
ISSN: 0022-202X CODEN: JIDAE  
CY United States  
DT Journal; Article  
FS 013 Dermatology and Venereology  
030 Pharmacology  
037 Drug Literature Index  
LA English  
SL English

L4 ANSWER 6 OF 11 LIFESCI COPYRIGHT 2003 CSA DUPLICATE 4  
AN 96:37344 LIFESCI  
TI **Retinoic acid** antagonizes basal as well as coal tar and glucocorticoid-induced cytochrome P4501A1 expression in human skin  
AU Li, Xiao-Yan; Astroem, A.; **Duell, E.A.**; Qin, Li; Griffiths, C.E.M.; Voorhees, J.J.  
CS Dep. Dermatology, Univ. Michigan Med. Cent., 1910 Taubman Cent., Box 0314, Ann Arbor, MI 48109-0314, USA  
SO CARCINOGENESIS, (1995) vol. 16, no. 3, pp. 519-524.  
DT Journal  
FS X  
LA English  
SL English

L4 ANSWER 7 OF 11 SCISEARCH COPYRIGHT 2003 ISI (R) DUPLICATE 5  
AN 94:635928 SCISEARCH  
GA The Genuine Article (R) Number: NF406  
TI ALL-TRANS, 9-CIS AND 13-CIS **RETINOIC ACID** EACH INDUCE A CYTOCHROME-P450 4-**RETINOIC ACID** HYDROXYLASE WHICH CAUSES ALL-TRANS BUT NOT 9-CIS OR 13-CIS **RETINOIC ACID** TO SELF-METABOLIZE  
AU **DUELL E A (Reprint)**; ASTROM A; KANG S; GRIFFITHS C E M; VOORHEES J  
CS UNIV MICHIGAN, SCH MED, DEPT DERMATOL, ANN ARBOR, MI, 00000  
CYA USA  
SO JOURNAL OF INVESTIGATIVE DERMATOLOGY, (APR 1994) Vol. 102, No. 4, pp. 641.  
ISSN: 0022-202X.  
DT Conference; Journal  
FS LIFE; CLIN  
LA ENGLISH  
REC No References

L4 ANSWER 8 OF 11 SCISEARCH COPYRIGHT 2003 ISI (R) DUPLICATE 6  
AN 93:238431 SCISEARCH  
GA The Genuine Article (R) Number: KW395  
TI IN HUMAN EPIDERMIS ALL-TRANS-**RETINOIC ACID** IS METABOLIZED TO THE LESS ACTIVE 4-HYDROXYRETINOIC ACID BY A UNIQUE CYTOCHROME-P450 THAT DOES NOT METABOLIZE 9-CIS OR 13-CIS **RETINOIC ACID**  
AU **DUELL E A (Reprint)**; FISHMAN A; ASTROM A; GRIFFITHS C E M;

VOORHEES J J  
CS UNIV MICHIGAN, SCH MED, DEPT DERMATOL, ANN ARBOR, MI, 48104  
CYA USA  
SO JOURNAL OF INVESTIGATIVE DERMATOLOGY, (APR 1993) Vol. 100, No. 4, pp. 578.  
ISSN: 0022-202X.  
DT Conference; Journal  
FS LIFE; CLIN  
LA ENGLISH  
REC No References

L4 ANSWER 9 OF 11 SCISEARCH COPYRIGHT 2003 ISI (R)  
AN 93:229359 SCISEARCH  
GA The Genuine Article (R) Number: KW761  
TI IN HUMAN EPIDERMIS ALL-TRANS-**RETINOIC** ACID IS METABOLIZED TO THE  
LESS ACTIVE 4-HYDROXYRETINOIC ACID BY A UNIQUE CYTOCHROME-P450  
THAT DOES NOT METABOLIZE 9-CIS OR 13-CIS **RETINOIC** ACID  
AU DUELL E A (Reprint); FISHMAN A; ASTROM A; GRIFFITHS C E M;  
VOORHEES J J  
CS UNIV MICHIGAN, SCH MED, DEPT DERMATOL, ANN ARBOR, MI, 48104  
CYA USA  
SO CLINICAL RESEARCH, (APR 1993) Vol. 41, No. 2, pp. A476.  
ISSN: 0009-9279.  
DT Conference; Journal  
FS LIFE  
LA ENGLISH  
REC No References

L4 ANSWER 10 OF 11 SCISEARCH COPYRIGHT 2003 ISI (R) DUPLICATE 7  
AN 92:639797 SCISEARCH  
GA The Genuine Article (R) Number: JU681  
TI HUMAN SKIN LEVELS OF **RETINOIC** ACID AND CYTOCHROME P-450-DERIVED  
4-HYDROXYRETINOIC ACID AFTER TOPICAL APPLICATION OF **RETINOIC**  
ACID INVIVO COMPARED TO CONCENTRATIONS REQUIRED TO STIMULATE  
**RETINOIC** ACID RECEPTOR-MEDIATED TRANSCRIPTION INVITRO  
AU DUELL E A (Reprint); ASTROM A; GRIFFITHS C E M; CHAMBON P;  
VOORHEES J J  
CS UNIV MICHIGAN, MED CTR, DEPT DERMATOL, R6558 KRESGE I, BOX 0528, ANN  
ARBOR, MI, 48109 (Reprint); FAC MED STRASBOURG, CNRS, U 184, INSERM, GENET  
MOLEC EUCHARYOTES LAB, STRASBOURG, FRANCE  
CYA USA; FRANCE  
SO JOURNAL OF CLINICAL INVESTIGATION, (OCT 1992) Vol. 90, No. 4, pp.  
1269-1274.  
ISSN: 0021-9738.  
DT Article; Journal  
FS LIFE  
LA ENGLISH  
REC Reference Count: 30  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L4 ANSWER 11 OF 11 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
AN 1992:320385 BIOSIS  
DN BR43:21110  
TI **RETINOIC** ACID BUT NOT SODIUM LAURYL SULFATE TREATED SKIN OR  
PSORIASIS METABOLIZES **RETINOIC** ACID TO 4 HYDROXYRETINOIC ACID.  
AU DUELL E A; FISHMAN A; GRENIER L; GRIFFITHS C E M; VOORHEES J J  
CS DEP. DERMATOL., UNIV. MICH. MED. CENT., ANN ARBOR, MICH., USA.  
SO MEETING OF THE SOCIETY OF INVESTIGATIVE DERMATOLOGY, BALTIMORE, MARYLAND,  
USA, APRIL 29-MAY 2, 1992. CLIN RES. (1992) 40 (2), 533A.  
CODEN: CLREAS. ISSN: 0009-9279.  
DT Conference  
FS BR; OLD  
LA English